

# DHIHAN AHMED

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## EDUCATION

Stevens Institute of Technology

09/2021 - 05/2025

B.S. in Computer Science

- **Honors:** Dean's List, The Edwin A. Scholarship
- **Relevant Coursework:** Data Structures, Discrete Structures, Algorithms, Computer Architecture, Operating Systems, Systems Programming, Linear Algebra, Theory of Computation, Web Programming, Agile Methodologies
- **Cumulative GPA:** 3.91/4.00

## PROJECTS

Piggy Bank: Digital Banking for Kids [[Github](#)]

03/2024 - 05/2024

- Engineered a full-stack web application utilizing **React**, **DaisyUI**, and **MongoDB** to promote financial literacy among children under parental supervision
- Implemented user authentication and role management with **Clerk**, and utilized **Redis** for efficient caching and data management

Roommate Roulette: Roommate Finder Application [[Github](#)]

10/2023 - 12/2023

- Collaboratively developed a full-stack web application enabling users to search for and match with potential roommates based on group credentials and preferences
- Produced **real-time in-app messaging** to facilitate communication between matched groups, enhancing user engagement
- Utilized **jQuery** and **Handlebars.js** for dynamic front-end development, achieving a responsive and user-friendly interface

CPUseless!: 8-bit CPU w/ Custom Assembler & Programming Language [[Github](#)]

12/2022

- Developed an **8-bit** CPU using **Logisim**, supporting arithmetic operations and instruction loading
- Implemented a custom **Python assembler** to translate high-level instructions into machine code

E-ZCal: Task Scheduling Automation Tool [[Github](#)]

08/2022

- Collaborated with a team of four to design a full-stack web application for task creation based on the **Pomodoro** technique
- Implemented automatic break generation and synchronization of tasks with **Google Calendars**, enhancing user productivity

Climaction: Climate Change App [[Devpost](#) / [Github](#)]

02/2022 - 03/2022

- Developed an **iOS** app using **Figma** and **Bravo App** to motivate sustainable choices by our users
- Pioneered a gamified approach with "ClimateCoins," encouraging eco-friendly actions to support nonprofit charities
- Secured **1st place** in the **2022 Hoboken Climate Hackathon**

## SKILLS

**Languages:** Python | JavaScript | C++ | C | HTML | CSS | Java

**Software:** Git | NodeJS | MongoDB | Figma | Linux | Bootstrap | Postman | Logisim